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Geometric Algebra: A Computational Framework for Geometrical.. - Dorst, Mann (2002) (Correct) (1 citation)
Geometric algebra: a computational framework for geometrical
Leo Dorst and Stephen Mann Abstract **Geometric algebra** is a consistent computational framework in
to computer graphics. Keywords: **Geometric algebra**, geometric programming. 1 Introduction In the usual
www.cgl.uwaterloo.ca/~smann/Papers/CGA01.pdf

Using Geometric Algebra in Optical Motion Capture - Lasenby, Stevenson (2001) (Correct) (1 citation)
page 1 Printer: Opaque this Chapter 1 Using **Geometric Algebra** in Optical Motion Capture Joan Lasenby &
These techniques rely on the use of **geometric algebra** and the ability therein to differentiate
www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/proc_acacse1.ps.gz

A multivector data structure for differential forms and equations - Chard, Shapiro (2000) (Correct) (1 citation)
geometric calculus of differential forms and **geometric algebra** of multivectors. Each transformation in the
generally credited with unifying the two, and **geometric algebra** is commonly called Clifford Algebra in
sal-cnc.me.wisc.edu/publications/multivector/multivector-color.ps.gz

A New Extension of Linear Signal Processing for Estimating.. - Felsberg, Sommer (2000) (Correct)
(1 citation)
is straightforward in the framework of **geometric algebra** [3]Furthermore, it is related to the
this paper, we avoid to use terms of **geometric algebra**, because it is not very widely spread in
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/mfe/D2k.ps.gz

Algorithms for Minkowski products and implicitly-defined.. - Farouki, Moon, Ravani (2000) (Correct)
(1 citation)
Davis, CA 95616. Abstract Minkowski **geometric algebra** is concerned with the complex sets
such sets are sketched. Keywords: Minkowski **geometric algebra**, Minkowski sums and products, logarithmic
mae.ucdavis.edu/~farouki/mproduct.ps

New Geometric Methods for Computer Vision: an application.. - Lasenby, Lasenby, al. (1998) (Correct)
(1 citation)
transformations involved will be that of **geometric algebra**: a framework based on the algebras of
straightforward. The calculus associated with **geometric algebra** is particularly powerful, enabling one, in
simple form exists for this case. 3.3. Linear algebra **Geometric algebra** is a very natural framework for the
www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/ijcv97.ps.gz

Estimating Tensors for Matching over Multiple Views - Lasenby, Lasenby (1998) (Correct) (1 citation)
field. The analysis is carried out using **geometric algebra**, a system which provides a useful tool in
minimisation routines will be discussed. 2. **Geometric Algebra** -a brief outline The algebras of
www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/rsdm97.ps.gz

Car-Tr-840 - Cs-Tr- September.. (Correct)
and were generalized in [10] using **geometric algebra**. At the same time, algorithms appeared that
ftp.cfar.umd.edu/TRs/CVL-Reports-1996/TR3691-Fermuller.ps.gz

Solution of elementary equations in the - Minkowski Geometric Algebra (Correct)
of elementary equations in the Minkowski **geometric algebra** of complex sets Rida T. Farouki and Chang
of elementary equations in the Minkowski **geometric algebra** of complex sets is addressed. For given
www-mae.engr.ucdavis.edu/~farouki/equations.ps

Eigenbundles, Quaternions, And Berry's Phase - Daniel Henry Gottlieb (Correct)
especially by Dave Hestenes under the name of **Geometric Algebra**, Hestenes, Sobcyk (1987)Our particular

www.math.purdue.edu/~gottlieb/Papers/./eigbndl.ps

Computation of Minkowski values - Of Polynomials Over (Correct)
0 62 X ,is presented. Keywords: Minkowski **geometric algebra** complex variables polynomial value sets
1 Introduction The Minkowski **geometric algebra** of complex sets is concerned with point
www-mae.engr.ucdavis.edu/~farouki/polynomial.ps

Quantum Geometric Algebra - Version Jan Douglas (Correct)
1 Quantum **Geometric Algebra** Version 1.1 Jan 2003 Douglas J. Matzke
computing concepts are described using **geometric algebra**, without using complex numbers or matrices.
www.dallas.net/~matzke/papers/ANPA24/QuantumGeometricAlgebra.pdf

Monocular Pose Estimation of Kinematic Chains - Rosenhahn, Granert, Sommer (2002) (Correct)
Sommer 1 ABSTRACT In this paper conformal **geometric algebra** is used to formalize an algebraic embedding
geometric constraint equations. In conformal **geometric algebra** the resulting equations are compact and
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/AGACSE.ps.gz

Object Modelling and Motion Analysis Using Clifford Algebra - Bayro-Corrochano, Lasenby (Correct)
involved will be that of Clifford algebra or **geometric algebra**. This is not an approach designed
to more complicated problems. 1 Introduction **Geometric algebra** has already been successfully applied to
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/china-end-8.ps.gz

Hand-Eye Calibration in terms of motion of lines.. - Bayro-Corrochano, .. (Correct)
Calibration in terms of motion of lines using **Geometric Algebra** E. Bayro-Corrochano, K. Daniilidis, G.
this paper we will show that the Clifford or **geometric algebra** is very well suited for the representation
Computer vision robotics Clifford algebra **geometric algebra** rotors motors screws hand-eye
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/j-hand-eye1-2.ps.gz

Adaptive Pose Estimation for Different Corresponding Entities - Rosenhahn, Sommer (Correct)
with the actual extracted entities. 2 **Geometric Algebras** We use **geometric algebras** to formalize the
entities. 2 **Geometric Algebras** We use **geometric algebras** to formalize the geometric scenario and the
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/dagm02.pdf

Pose Estimation of 3D Free-form Contours in Conformal.. - Rosenhahn, Perwass, Sommer (Correct)
problem is achieved by using the conformal **geometric algebra**. Free-form contours are modeled as 3D
contours. 2 The pose problem in conformal **geometric algebra** This section concerns the formalization of
of the pose problem in conformal **geometric algebra**. **Geometric algebras** are the language we use for our
www.ks.informatik.uni-kiel.de/downloads/Publikationen/IVCNZ02.pdf

A geometric approach for the analysis and computation of.. - Bayro-Corrochano, al. (2002) (Correct)
antaiat Section 8 to the conclusionpanc 2. **Geometric algebra**: an outline Geometricaometr (GA) isa
Cli!ordad1vvy *which will be referred to a **geometric algebra** *intoa unifying lafying forma1(B ma1(a
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/edbbro02.pdf

Scale Adaptive Filtering Derived from the Laplace Equation - Felsberg, Sommer (2001) (Correct)
and rotation are both zero)or, in terms of **Geometric Algebra**, a monogenic function [5] monogenic: nD
generalization of quadrature filters in **geometric algebra**. In Proc. Int. Workshop on Algebraic Frames
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/mfe/DAGM2001_ext.ps.gz

Object Modelling and Collision Avoidance using Clifford.. - Bayro-Corrochano, Sommer (Correct)
involved will be that of Clifford algebra or **geometric algebra**. Object modelling and collision avoidance
and collision avoidance. 1 Introduction **Geometric algebra** has already been successfully applied to
involved will be that of Clifford algebra or **geometric algebra**. Object modelling and collision
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/caip95-12.ps.gz

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Geometric Algebra with Conzilla: Building a Conceptual Web of.. - Nilsson (Correct)
of Numerical Analysis and Computer Sience KTH **Geometric Algebra** with Conzilla Building a Conceptual Web of
the mathematical foundations of **geometric algebra** and geometric calculus, and [11]which contains a very
cid.nada.kth.se/publikationer/../pdf/CID-201.pdf

Generalized Projection Operators In Geometric Algebra - Bouma (Correct)
Generalized Projection Operators In **Geometric Algebra** T. A. Bouma University Of Amsterdam
and an anti-automorphism of a semigroup of a **Geometric Algebra**, then for each element of the semigroup a
www.science.uva.nl/pub/computer-systems/aut-sys/reports/Bouma01aaca.pdf

The Interface Specification and Implementation Internals of a .. - Zaharia, Dorst (2002) (Correct)
Internals of a Program Module for **Geometric Algebra** Marius Dorian Zaharia, Leo Dorst Computer
underlying the abstract concepts of **geometric algebra**. E#ciency considerations did not prevail in
of a given application. Keywords: Cli#ord algebra, **geometric algebra**, abstract data type, program
www.science.uva.nl/pub/computer-systems/aut-sys/reports/IAS-UVA-02-06.pdf

Vehicle Ego-Motion Estimation with Geometric Algebra - van der Mark, Fontijne.. (Correct)
Vehicle Ego-Motion Estimation with **Geometric Algebra** Wannes van der Mark Dani el Fontijne, Leo
Our approach estimates stereo ego-motion with **geometric algebra** techniques. Starting with a simple linear
www.science.uva.nl/pub/computer-systems/aut-sys/reports/vanderMark02ivs.pdf

Critical Points at Infinity: a missing link - In Vector Field (Correct)
critical points in the plane, building up a **Geometric Algebra** polynomial vector field of the form:
overflow, A comprehensive introduction to **Geometric Algebra** can be found in [Hes98]3. Feature
graphics.cs.ucdavis.edu/hvm00/abstracts/kenwright.pdf

Computer Graphics from a Geometric Algebra Perspective - Zaharia (Correct)
nr. IAS-UVA-02-05 Computer Graphics from a **Geometric Algebra** Perspective Marius Dorian Zaharia
introductory notions concerning the field of **geometric algebra**, basic algebraic manipulation techniques,
www.science.uva.nl/pub/computer-systems/aut-sys/reports/IAS-UVA-02-05.pdf

Honing geometric algebra for its use in the computer sciences - Dorst (2001) (Correct)
2. Honing **geometric algebra** for its use in the computer sciences Leo
A computer scientist first pointed to **geometric algebra** as a promising way to do geometry' is
is no unique interpretation of Clifford algebra or **geometric algebra**. 8 This is not a weakness of
carol.wins.uva.nl/~leo/clifford/sommer.ps

Unknown - Representation And Modeling (Correct)
new description has been discovered called **geometric algebra**. We're preparing a course on this, it is
www.wins.uva.nl/~arnoud/OOAS/fwi/Chapter7.ps.gz

Modelling and Tracking Articulated Motion from Multiple.. - Maurice Ringer And (Correct)
of disciplines such as machine vision, **geometric algebra** and radar tracking theory, which have been
The contents of #was generated using **geometric algebra** (GA) 7] and then converted to the
www-sigproc.eng.cam.ac.uk/%7Ejl/papers/bmvc-paper.pdf

Dissident Maps on the Seven-Dimensional Euclidean Space - Dieterich, Lindberg (Correct)
between seemingly diverse aspects of real **geometric algebra**, thereby revealing its shifting
of Math. 75, 603-632 (1962)2] Artin, E.**Geometric Algebra**, Interscience tracts in pure and applied
www.math.uu.se/research/pub/Dieterich3.pdf

The Structure Multivector - Felsberg, Sommer (2001) (Correct)
are brought into a single method by means of **g ometric algebra**. The proposed operator is ecient to structure tensor /tensor of inertia 1 In **geometric algebra** orientation is identi ed with the sense of
www.ks.informatik.uni-kiel.de/~mfe/AGACSE2001.ps.gz

The Fundamental Theorem of Geometric Calculus via a Generalized.. - Macdonald (1998) (Correct)
26A39, 26B20. Keywords: Geometric Calculus, **Geometric Algebra**, Cli#ord Analysis, Cli#ord Algebra, extends to an outermorphism from the tangent **geometric algebra** to R n at x to the tangent geometric
faculty.luther.edu/~macdonal/FTGC.pdf

A Dido Problem as modernized by Fejes Tóth - Siegel (Correct)
of area, which is reminiscent of ancient **geometric algebra**. In addition, we will formulate area
www.cs.nyu.edu/faculty/siegel/D33.pdf

Elementary Construction of the Geometric Algebra - Macdonald (1999) (Correct)
Elementary construction of the **geometric algebra** Presented at The Fifth International direct, and motivated construction of the **geometric algebra** over R n 1. Introduction. We give here
faculty.luther.edu/~macdonal/GAConstr.pdf

Structure Multivector for Local Analysis of Images - Felsberg, Sommer (2001) (Correct)
enforce us to use the framework of **geometric algebra** which is also advantageous if we combine as sampled intervals of R 2 we use the **geometric algebra** R 02 which is isomorphic to the algebra of
www.ks.informatik.uni-kiel.de/~mfe/Techn_Report.ps.gz

The Monogenic Signal - Felsberg, Sommer (2001) (Correct)
we derived the monogenic signal using **geometric algebra** (see e.g. 17, 30]and Clifford analysis analysis (e.g. 3]The formulation in **geometric algebra** is preferable because some notational
www.ks.informatik.uni-kiel.de/~mfe/Bericht_2016.ps.gz

The Multidimensional Isotropic Generalization of Quadrature.. - Felsberg, Sommer (2000) (Correct)
Generalization of Quadrature Filters in **Geometric Algebra** Michael Felsberg and Gerald Sommer such an approach using the framework of **geometric algebra**. Our result is closely related to the Riesz
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/mfe/A2k.ps.gz

Polydimensional Relativity, a Classical Generalization of.. - William Pezzaglia Jr (Correct)
which are based upon the unique structure of **geometric algebra**. A notable exception is the form of spin L177 (1992)10] W. Pezzaglia, Clifford **Algebra Geometric**-Multispinor Particles and
otokar.troja.mff.cuni.cz/veda/gr-qc/96/08/9608052.ps.gz

Should Metric Signature Matter in Clifford Algebra.. - Pezzaglia, Jr. (Correct)
alternate mathematical language of Clifford **Geometric Algebra**[4] is better behaved, allowing for a 45, 673 (1980)7] W. Pezzaglia, Clifford **Algebra Geometric**-Multispinor Particles and
otokar.troja.mff.cuni.cz/veda/gr-qc/97/04/9704048.ps.gz

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Minkowski geometric algebra of complex sets - Farouki, Moon, Ravani (2000) (Correct)
Minkowski **geometric algebra** of complex sets Rida T. Farouki, Hwan Pyo
of California, Davis, CA 95616. Abstract A **geometric algebra** of point sets in the complex plane is
mae.ucdavis.edu/~farouki/minkowski.ps

Minkowski Roots of Complex Sets - Farouki, Gu, Moon (2000) (Correct)
are fundamental operations in the Minkowski **geometric algebra** of complex sets: depending on the nature of
to describe N 1=n A. Keywords: Minkowski **geometric algebra**, ordinary roots, Minkowski roots, minimal
mae.ucdavis.edu/~farouki/mroot.ps

Molecular Conformation Search by Matrix Perturbations - Nikitopoulos, Emiris (Correct)
to compute [5]Another approach relies on **geometric algebra** [13] in order to produce a system of
parametrization, without using the theory of **geometric algebra**, involves solving a cubic equation [6]
ftp-sop.inria.fr/saga/emiris/publis/NikE01icalp.ps.gz

Bipolar and Multipolar Coordinates - Farouki, Moon (2000) (Correct)
in geometrical optics and the Minkowski **geometric algebra** of complex sets, and explore the
forms, geometrical optics and Minkowski **geometric algebra** of complex sets, are then sketched in x4
mae.ucdavis.edu/~farouki/bipolar.ps

Minkowski Geometric Algebra and Stability of Characteristic.. - Farouki, Moon (2000) (Correct)
Minkowski **Geometric Algebra** and Stability of Characteristic
of coefficients)The methods of Minkowski **geometric algebra** -the algebra of point sets in the
mae.ucdavis.edu/~farouki/stability.ps

Exact Minkowski products of N complex disks - Farouki, Pottmann (Correct)
1 Preamble Minkowski **geometric algebra** [10, 11] is concerned with the complex
applications and interpretations of Minkowski **geometric algebra**. Conceptually, Minkowski **geometric algebra**
mae.ucdavis.edu/~farouki/disks.ps

An octonion model for physics - Kainen (2000) (Correct)
is the common thread. Keywords: **Geometric algebra**, the Four Color Conjecture, rooted cubic
interesting potential application for **geometric algebra**, including the octonions, can be found in
www.georgetown.edu/faculty/kainen/octophys.ps

Dirac's theory in real geometric formalism: multivectors versus.. - Serra (Correct)
system of physical calculus based on the real **geometric algebra** of Clifford, we translate the preceding
p.199) 47] 7 3.1 From vector algebra to **geometric algebra** As follows from the statements made at the
hermes.ffn.ub.es/~jmparra/diracgeo.ps

Pose Estimation in the Language of Kinematics - Rosenhahn, Zhang, Sommer (Correct)
distance. The motor algebra is a degenerate **geometric algebra** in which line transformations are linear
motor algebra in the frame of kinematics A **geometric algebra** G pqr is a linear space of dimension 2
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/afpac00.ps.gz

Constraint Equations for 2D-3D Pose Estimation in Conformal .. - Rosenhahn, Lasenby (Correct)
for 2D-3D Pose Estimation in Conformal **Geometric Algebra** Bodo Rosenhahn, Joan Lasenby
for 2D-3D Pose Estimation in Conformal **Geometric Algebra** Bodo Rosenhahn 1 Joan Lasenby 2 1
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/Confpose.ps.gz

Performance of Constraint Based Pose Estimation Algorithms - Rosenhahn, Zhang, Sommer (2000) (Correct)

motor algebra in the frame of kinematics A **geometric algebra** G pqr is a linear space of dimension 2 of a vector space as rst order entities. A **geometric algebra** G pqr results in a constructive way from www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/dagm00.ps.gz

SCHEMed: a visual database tool for definition and.. - Ghebreab, Worring.. (Correct)
semantic and a computational part, based on a **geometric algebra**. We have developed a visual tool for as computational schemes on the basis of a **ge metric algebra**. As current DBMSs do not allow to store and carol.wins.uva.nl/~worring/pub/./papers/visual97.ps

Computing the Intrinsic Camera Parameters Using Pascal's.. - Rosenhahn.. (Correct)
method. Employing this theorem in the **geometric algebra** framework enables the authors to compute a of the projective space P 3 using the **geometric algebra** G 130 and that of the projective plane P www.ks.informatik.uni-kiel.de/~vision/doc/Publications/bro/caip99b.ps.gz

Analysis and Computation of Projective Invariants from.. - Lasenby.. (1999) (Correct)
Invariants from Multiple Views in the **Geometric Algebra** Framework Joan Lasenby and Eduardo under such changes. In this paper we present **geometric algebra** as a complete framework for the theory and www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/ijpr99.ps.gz

Constrained Optimization Using Geometric Algebra and its. . . - Lasenby, Lasenby (1997) (Correct)
Contents 1 Constrained Optimization Using **Geometric Algebra** and its Application to Signal Analysis 3 Opaque this 1 Constrained Optimization Using **Geometric Algebra** and its Application to Signal Analysis www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/ecsap97b.ps.gz

Decomplexifying the Absolute Conic. - Stevenson Lasenby Department (Correct)
extensive use of a mathematical system called **Geometric Algebra** (GA) which is described in more detail in in 2 and 3 dimensions. The only knowledge of **geometric algebra** necessary to understand this paper will be www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/nz1.ps.gz

Geometric Algebra Methods in Quantum Information.. - Havel, Cory, Somaroo.. (Correct)
This is page 1 Printer: Opaque this Chapter 1 **Geometric Algebra** Methods in Quantum Information Processing a quantum computer that can be scaled 2 **Geometric Algebra** Methods in Quantum to problems beyond the mrix4.mit.edu/Public/clifford.pdf

Geometric Techniques for the Computation of Projective .. - Uncalibrated Cameras.. (Correct)
from bilinearities. 1 Computer Vision using **Geometric Algebra** This section aims to outline the basic This section aims to outline the basic **geometric algebra** tools required for the treatment of www-sigproc.eng.cam.ac.uk/~jl/../~jl/papers/icvgip98.ps.gz

A Unified Language for Computer Vision and Robotics - Bayro-Corrochano, Lasenby (Correct)
CB2 1PZ. email: jl@eng.cam.ac.uk Abstract. **Geometric algebra** is an universal mathematical language which Perception Action Cycle systems. In the **geometric algebra** framework such a system is both easier to cross-ratio. Categories: Clifford algebra **geometric algebra** robotics hand-eye calibration www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/afp97-cvrob-final-9.ps.Z

41 is the largest size of a cap in PG(4,4) - Edel, Bierbrauer (1998) (Correct)
We are going to review some basic facts of **geometric algebra**. For an introduction see Artin [1]It is 36 =51 A 38 =60: References 1] E.Artin: **Geometric Algebra**, Interscience Publishers, New York, London www.math.mtu.edu/~jbierbra/HOMEZEUGS/no42cap2.ps

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Supercuspidal Representations of GL(n) Distinguished by a.. - Hakim, Mao (1998) (Correct)
from E Theta to F Theta In terms of **geometric algebra**, determining the G-orbits in X is
nyjm.albany.edu:8000/PacJ/1998/185-1-7.ps

Geometric algebra based Neural Networks. - Chudy, Chudy (Correct)
Geometric algebra based Neural Networks. L. Chud'y
of even closed subalgebra G A 2)the **geometric algebra** of Euclidian plane R 2 Geometric
aiolos.neuro.savba.sk/pub/www/Chudy/ga98.ps.gz

Velocity Field And Operator For Spinning Particles In.. - Salesi, Recami (Correct)
in quantum theory The Multivector or **Geometric Algebras** are essentially due to the work of great
zitterbewegung In the framework of the Pauli **geometric algebra**, the local velocity is obtained from the
preprints.cern.ch/archive/electronic/hep-th/9607/9607214.ps.gz

Elastic Potential Scattering of Electrons in the Spacetime Algebra - Lewis (1997) (Correct)
spin. Throughout I shall make use of the **Geometric Algebra**. I present a brief summary of the STA below
my notation and conventions. Full details of **Geometric Algebra** can be found elsewhere. 4-6] Spacetime
www.netword.demon.co.uk/scatter.ps

Object Modelling And Collision Avoidance Using Clifford.. - Bayro-Corrochano, Sommer (Correct)
involved will be that of Clifford algebra or **geometric algebra**. Object modelling and collision avoidance
and collision avoidance. 1 Introduction **Geometric algebra** has already been successfully applied to
involved will be that of Clifford algebra or **geometric algebra**. Object modelling and collision
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/caip95-12.ps.Z

A Coordinate Free Geometry ADT - Mann, Litke, DeRose (1997) (Correct)
The first task is the identification of a **geometric algebra** (i.e.a collection of geometric objects
3 we present a Cimplementation of the **geometric algebra**, and show how the package can be used to
cs-archive.uwaterloo.ca/cs-archive/CS-97-15/CS-97-15.ps.Z

What can Grassmann, Hamilton and Clifford tell us.. - Bayro-Corrochano.. (Correct)
CB2 1PZ. email: jl@eng.cam.ac.uk Abstract. **Geometric algebra** is a universal mathematical language which
hand-eye calibration problem is presented. **Geometric algebra** and its associated linear algebra framework
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/dagm97final-11.ps.Z

A Unified Treatment of the Theories of Matroids with Coefficients .. - Wenzel (1996) (Correct)
paper (cf. 27]I shall study the **geometric algebra** of a combinatorial W P U)geometry by
37-98. 11] Dress, A. W. M.Wenzel, W.**Geometric Algebra** for Combinatorial Geometries. Advances in
cirm.univ-mrs.fr/EMIS/journals/BAG/vol.37/no.1/b37h1wzl.ps.gz

Algorithm-Independent Stability Analysis of Structure from .. - Fermüller, Aloimonos (1996) (Correct)
and were generalized in [10] using **geometric algebra**. At the same time, algorithms appeared that
www.cfar.umd.edu/ftp/TRs/CVL-Reports-1996/TR3691-Fermuller.ps.gz

A new Selforganizing Neural Network using Clifford Algebra - Bayro-Corrochano.. (Correct)
design was done using the Clifford algebra or **geometric algebra**. Real valued neural nets for function
work it will be used an interpretation called **geometric algebra** [1-2]The elements are
The design was done using the Clifford algebra or **geometric algebra**. Real valued neural nets for
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/wcnn96-13.ps.Z

Object Modelling And Motion Analysis Using Clifford Algebra - Eduardo Bayro-Corrochano (Correct)

involved will be that of Clifford algebra or **geometric algebra**. This is not an approach designed to more complicated problems. 1 Introduction **Geometric algebra** has already been successfully applied to
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A new Selforganizing Neural Network using Geometric.. - Bayro-Corrochano.. (Correct)
A new Selforganizing Neural Network using **Geometric Algebra** Eduardo Bayro-Corrochano, Sven Buchholz, type RBF neural network and introduces the **Ge metric Algebra** framework in the neurocomputing field. Real
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/icpr96-net-end-5.ps.Z

Geometric Neural Networks - Bayro-Corrochano, Buchholz (Correct)
suitable mathematical systems with powerful **geometric and algebra**ic characteristics. In such mathematical neural networks in the Clifford or **geometric algebra** framework. The efficiency of the geometric artificial learning. Categories: Clifford algebra **geometric algebra** feedforward neural networks
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/afp97-net-final-4.ps.Z

Geometric Algebra as a Framework for the.. - Sommer.. (1996) (Correct)
Geometric Algebra as a Framework for the Perception-Action
geometric interpretable algebra. As such **geometric algebra** will be presented with respect to its key
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/dagstuhl96.ps.Z

Geometric Algebra: a Framework for Computing Point and.. - Bayro-Corrochano.. (Correct)
Geometric Algebra: a Framework for Computing Point and Line
Abstract In this paper we present **geometric algebra** as a system for analysing the geometry of
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Selforganizing Clifford Neural Network - Bayro-Corrochano, Buchholz, Sommer (Correct)
type RBF neural network and introduces the **geometric algebra** in the neural computing field. Real valued coordination in robotics. 1 Introduction **Geometric algebra** is a coordinate-free approach to geometry
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/icnn96-4-6.ps.Z

Geometric Algebra: a Framework for Computing Invariants.. - Lasenby.. (Correct)
Geometric Algebra: a Framework for Computing Invariants in
Abstract In this paper we present **geometric algebra** as a new and complete framework for the
www.ks.informatik.uni-kiel.de/~vision/doc/Publications/edb/icpr96-inv-64.ps.Z

Hand-Eye Calibration in terms of motion of lines.. - Bayro-Corrochano, .. (Correct)
Calibration in terms of motion of lines using **Geometric Algebra** E. Bayro-Corrochano, K. Daniilidis, G. this paper we will show that the Clifford or **geometric algebra** is very well suited for the representation Computer vision robotics Clifford algebra **geometric algebra** rotors motors screws hand-eye
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